

Analysis Name	Probe Set Name	Gene Name	Change	Change Status	Change p-value	Change p-value
A (U74A)	100581_at	1 cystatin B (Stfb) gene	1	1	0	0
A (U74A)	103946_at	2 Pstpipl (proline-serine-threonine phosphatase-interacting protein 1)	1	1	0	0
A (U74A)	104388_at	3 Scya9 (small inducible cytokine A9)	1	1	0	0
A (U74A)	104407_at	4 Alcam (activated leukocyte cell adhesion molecule)	1	1	0	0
A (U74A)	104761_at	5 2310046B19Rik (RIKEN cDNA 2310046B19 gene)	1	1	0	0
A (U74A)	160202_at	6 5730403E06Rik (RIKEN cDNA 5730403E06 gene)	1	1	0	0
A (U74A)	160406_at	7 ctsk gene	1	1	0	0
A (U74A)	160901_at	8 c-fos oncogene	1	1	0	0
A (U74A)	98859_at	9 Acid phosphatase type 5 gene	1	1	0	0
A (U74A)	99957_at	10 Mmp9 (matrix metalloproteinase 9)	1	1	0	0
A (U74A)	103017_at	11 Tm7sfl (transmembrane 7 superfamily member 1, integral membrane protein)	1	1	0	0.000001
A (U74C)	166517_f_at	12 Alcam (activated leukocyte cell adhesion molecule)	1	1	0	0.000001
A (U74A)	94556_at	13 2410004M09Rik (RIKEN cDNA 2410004M09)	1	1	0	0.000001
A (U74A)	96481_at	14 C80638 (AV251613 RIKEN full-length enriched, 0 day neonate head Mus musculus cDNA clone 4833432F11 3', mRNA sequence)	1	1	0.000001	0
A (U74A)	97302_at	15 1700126116Rik (NDI-S, gene with protein product, function known or inferred)	1	1	0.000001	0
A (U74A)	100906_at	16 Itgb7 (integrin beta 7)	1	1	0.000001	0.000001
A (U74A)	103210_at	17 Csf2rb2 (colony stimulating factor 2 receptor, beta 2)	1	1	0.000001	0.000001
A (U74A)	103690_at	18 AW125574 (Williams-Beuren syndrome chromosome region 5 homolog)	1	1	0.000001	0.000001
A (U74A)	160124_r_at	19 vacuolar adenosine triphosphatase subunit C mRNA	1	1	0.000001	0.000001
A (U74C)	165770_at	20 A1851927 (expressed sequence A1851927)	1	1	0	0.000002
A (U74A)	93037_i_at	21 lipocortin 1 gene, exon 13	1	1	0.000001	0.000001
A (U74A)	96680_at	22 Dna j b9 (Dna j (Hsp40) homolog, chaperone)	1	1	0	0.000002
A (U74A)	102348_at	23 pale ear (Hermansky-Pudlak syndrome 1 homolog)	1	1	0	0.000003
A (U74B) 2	107969_at	24 Alcam (activated leukocyte cell adhesion molecule)	1	1	0	0.000003
A (U74A)	92648_at	25 Stxbp3 (intracellular protein traffic)	1	1	0.000003	0
A (U74A)	95745_g_at	26 vacuolar adenosine triphosphatase subunit A gene	1	1	0.000003	0
A (U74A)	98884_r_at	27 Nudel-pending (nuclear distribution gene E-like, centrosome)	1	1	0.000001	0.000002
A (U74A)	101554_at	28 l kappa B alpha gene, exons 2-6	1	1	0.000004	0
A (U74C)	167230_f_at	29 ESTs, Moderately similar to ANX4 MOUSE ANNEXIN IV	1	1	0.000001	0.000003
A (U74B) 2	116346_at	30 4930506M07Rik (RIKEN cDNA 4930506M07 gene)	1	1	0.000003	0.000002
A (U74A)	101042_f_at	31 Pep4 (peptidase 4, metalloendopeptidase)	1	1	0	0.000005
A (U74A)	103923_at	32 transmembrane 7 superfamily member 1	1	1	0.000005	0

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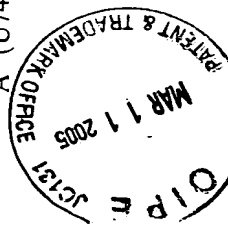


Fig. 1A-1

Analysis Name	Probe Set Name	Gene Name	Change	Change Status	Change p-value	Change p-value
A (U74A)	104179_at	33 A1788669 (expressed sequence A1788669)	1	1	0.000005	0
A (U74A)	160529_r_at	34 Vdac2 (voltage-dependent anion channel 2)	1	1	0	0.000005
A (U74A)	104106_at	35 Rp17 (ribosomal protein L7)	1	1	0.000003	0.000003
A (U74A)	94346_at	36 Wtap-pending (Wilms' tumour 1-associating protein)	1	1	0.000005	0.000001
A (U74B) 2	115453_at	37 A1324824 (expressed sequence A1324824)	1	1	0.000007	0
A (U74A)	99413_at	38 Cmkbrl (chemokine (C-C) receptor 1)	1	1	0.000007	0
A (U74A)	102283_at	39 Tiaml (T-cell lymphoma invasion and metastasis 1)	1	1	0	0.000008
A (U74A)	161173_f_at	40 ESTs, similar to M31418 Mouse 202 interferon-activatable protein mRNA	1	1	0.000001	0.000007
A (U74C)	139395_at	41 ESTs (Soares mouse NbMH)	1	1	0.000005	0.000003
A (U74B) 2	162543_r_at	42 Acp5 (acid phosphatase 5, tartrate resistant)	1	1	0.000007	0.000002
A (U74A)	92642_at	43 Car2 (carbonate dehydratase)	1	1	0.000009	0
A (U74A)	104149_at	44 Nfkbia (nuclear factor of kappa light chain gene enhancer in B-cells inhibitor, alpha)	1	1	0.000011	0
A (U74A)	160539_at	45 ASF mRNA	1	1	0.000009	0.000002
A (U74A)	100990_g_at	46 Itgblpl (integrin beta 1 binding protein 1)	1	1	0.000008	0.000004
A (U74C)	168548_f_at	47 ESTs, Moderately similar to SUPEROXIDE DISMUTASE	1	1	0.000001	0.000011
A (U74A)	103922_f_at	48 150005G05Rik (RIKEN cDNA 150005G05 gene)	1	1	0.000002	0.000011
A (U74A)	94871_r_at	49 2900019122Rik (gene with protein product, function unknown)	1	1	0.000012	0.000001
A (U74A)	96634_at	50 5730469M10Rik (gene with protein product, function unknown)	1	1	0.000004	0.000009
A (U74A)	92302_at	51 Sos2 (Son of sevenless homolog 2)	1	1	0	0.000014
A (U74A)	99993_at	52 Anpep (alanyl (membrane) aminopeptidase)	1	1	0	0.000014
A (U74B) 2	109102_r_at	53 2210023K2IRik (RIKEN cDNA 2210023K21 gene)	1	1	0.000009	0.000006
A (U74C)	169068_i_at	54 4930434J08Rik (RIKEN cDNA 4930434J08 gene)	1	1	0.000005	0.00001
A (U74C)	168377_r_at	55 Spphl-pending (sphingosine-1-phosphate phosphatase 1)	1	1	0.000004	0.000013
A (U74A)	160092_at	56 Ifrdl (interferon-related developmental regulator 1)	1	1	0.000017	0.000001
A (U74A)	93471_at	57 ESTs, Weakly similar to T14031 sodium bicarbonate cotransporter, pancreatic - mouse	1	1	0.000003	0.000015
A (U74A)	104206_at	58 0610012A05Rik (RIKEN cDNA 0610012A05 gene)	1	1	0.000017	0.000002
A (U74A)	161703_f_at	59 Anxal (annexin A1)	1	1	0.000018	0.000001
A (U74A)	94733_at	60 Aben4 (ATP-binding cassette, sub-family B (MDR/TAP), member 4)	1	1	0.000001	0.000018
A (U74A)	100380_at	61 H3 3A variant histone	1	1	0.000013	0.000007
A (U74B) 2	164245_at	62 ESTs, Highly similar to hypothetical protein	1	1	0.000012	0.000008
A (U74A)	100584_at	63 Anxa4 (annexin A4, calcium binding)	1	1	0.000001	0.000021

Fig. 1A-2

Analysis Name	Probe Set Name	Gene Name	Change	Change Status	Change p-value	Change p-value
A (U74B)2	115949_at	64 ESTs (vg7c11.x1 Soares mouse NbMII)	1	1	0.000021	0.000001
A (U74A)	95625_at	65 AA589632 (expressed sequence AA589632)	1	1	0.000003	0.000019
A (U74A)	92597_s_at	66 vacuolar adenosine triphosphatase subunit B gene	1	1	0.000023	0.000001
A (U74A)	100499_at	67 Stx3 (syntaxin 3)	1	1	0	0.000025
A (U74A)	95746_at	68 Atp6al (hydrogen-transporting two-sector ATPase)	1	1	0.000015	0.00001
A (U74A)	100042_at	69 Similar to hydroxyacyl glutathione hydrolase	1	1	0.000025	0.000005
A (U74A)	96875_r_at	70 1200003J1IRik (RIKEN cDNA 1200003J11 gene)	1	1	0.000007	0.000025
A (U74A)	103783_at	71 Xprl (xenotropic and polytropic retrovirus receptor 1)	1	1	0.000029	0.000004
A (U74A)	103328_at	72 Tank (TRAF family member-associated NF-kappa B activator)	1	1	0.000025	0.000009
A (U74C)	138577_at	73 Atp6b2 (ATPase, H+ transporting, lysosomal)	1	1	0.000018	0.000018
A (U74C)	168443_r_at	74 AV277485 RIKEN full-length enriched, adult male testis	1	1	0.000037	0.000001
A (U74B)2	106073_at	75 ESTs (UI-M-BH2, 1-apg-h-05-0-UI,sl NIH_BMAP_M_S3.1)	1	1	0.000017	0.000021
A (U74A)	102209_at	76 Nfatcl (nuclear factor of activated T-cells, cytoplasmic 1)	1	1	0.000034	0.000006
A (U74A)	95795_at	77 Supt4h2 gene	1	1	0.000003	0.000037
A (U74A)	99095_at	78 Max (Max protein)	1	1	0.00004	0
A (U74A)	102317_at	79 Vamp4 (vesicle-associated membrane protein 4)	1	1	0.00001	0.00004
A (U74A)	95064_at	80 0610011L04Rik (RIKEN cDNA 0610011L04 gene)	1	1	0.000043	0
A (U74C)	171517_at	81 2310021H06Rik (RIKEN cDNA 2310021H06 gene)	1	1	0.000023	0.000021
A (U74A)	94005_at	82 3110004018Rik (mitochondrion)	1	1	0.000019	0.000027
A (U74A)	94186_at	83 Traf1 (Tnf receptor-associated factor 1)	1	1	0.000037	0.000009
A (U74A)	96951_at	84 Atp6m (ATPase, H+ transporting)	1	1	0.000047	0.000001
A (U74A)	97967_at	85 6230425C21Rik (RIKEN cDNA 6230425C21 gene)	1	1	0.000047	0.000001
A (U74C)	165619_r_at	86 810433K01Rik (RIKEN cDNA 2810433K01 gene)	1	1	0.000041	0.000008
A (U74A)	160836_at	87 Sema4d (semaphorin M-sema G mRNA)	1	1	0.000027	0.000023
A (U74B)2	117302_at	88 RIKEN full-length enriched library, clone:4932441D06	1	1	0.00005	0.000001
A (U74A)	93773_f_at	89 A1227013 (gene with protein product, function unknown)	1	1	0.000014	0.00004
A (U74B)2	116418_at	90 AW322671 (vw51e12.rl Soares_mammary_gland_NbMMMG)	1	1	0.000043	0.000014
A (U74A)	95705_s_at	91 Actx (melanoma X-actin, cytoskeleton)	1	1	0.00004	0.000018
A (U74A)	97844_at	92 Rgs2 (regulator of G-protein signaling 2, GTPase activator)	1	1	0	0.000059
A (U74A)	96919_at	93 Atp6i (ATPase, H+ transporting)	1	1	0.00005	0.000009
A (U74A)	104298_at	94 AI842544 (expressed sequence AI842544)	1	1	0.000001	0.000063
A (U74A)	93117_at	95 Hnrpa2b1 (ribonucleoprotein)	1	1	0.000063	0.000001
A (U74C)	168116_f_at	96 ESTs, Weakly similar to The Pleckstrin Homology Domain From Grp1 In Complex With Inositol (1,3,4,5,6) pentakisphosphate	1	1	0.000051	0.000017

Fig. 1B-1

Analysis Name	Probe Set Name	Gene Name	Change	Change Status	Change p-value	Change p-value
A (U74C)	167915_f_at	97 ESTs, Weakly similar to T12449 hypothetical protein	1	1	0.000007	0.000063
A (U74C)	167918_f_at	98 Spi8 (serine protease inhibitor 8)	1	1	0.000014	0.000063
A (U74A)	103205_at	99 Tcirgl (T-cell, immune regulator 1)	1	1	0.000003	0.000079
A (U74A)	98441_at	100 Fmrl (fragile X mental retardation syndrome 1 homolog)	1	1	0.000068	0.000017
A (U74A)	104469_at	101 Gp38 (glycoprotein 38)	1	1	0.000001	0.000085
A (U74A)	96151_at	102 I110018012Rik (RIKEN cDNA I110018012 gene)	1	1	0.000001	0.000085
A (U74A)	160824_at	103 I110037N09Rik (RIKEN cDNA I110037N09 gene)	1	1	0.000025	0.000063
A (U74C)	167965_f_at	104 AV370033 RIKEN full-length enriched (similar to U36277 Mus musculus I-kappa B alpha chain)	1	1	0.000044	0.000044
A (U74A)	162369_f_at	105 Mmp9 (matrix metalloproteinase 9)	1	1	0.000007	0.000085
A (U74A)	104391_s_at	106 D17Wsu51e (DNA segment, Chr 17, Wayne State University 51, expressed)	1	1	0.000099	0.000001
A (U74A)	95060_at	107 Slc16a7 (solute carrier family 16, integral membrane protein)	1	1	0.000085	0.000037
A (U74A)	97843_at	108 Ncoa4 (nuclear receptor coactivator 4)	1	1	0	0.000124
A (U74A)	96709_at	109 C79326 (gene with protein product, function known or inferred)	1	1	0.000124	0.000001
A (U74C)	137475_at	110 A1481660 (vh27b12, xl Soares, mammary_gland_NbMMG)	1	1	0.000099	0.000029
A (U74A)	92542_at	111 gene with protein product, function unknown	1	1	0.000115	0.000029
A (U74A)	100880_at	112 ESTs, Weakly similar to B Chain B	1	1	0.000115	0.000031
A (U74C)	169667_f_at	113 Anxa5 (annexin A5)	1	1	0.000085	0.000068
A (U74A)	97502_at	114 Dld (dihydrolipoamide dehydrogenase, cytoplasm)	1	1	0.000154	0
A (U74A)	103715_at	115 Scin (scinderin)	1	1	0.000154	0.000003
A (U74A)	97887_at	116 APOC2 gene, complete CDS, and exons 2 and 3	1	1	0.000107	0.00005
A (U74A)	104036_at	117 Dpp7 (dipeptidyl peptidase 7)	1	1	0	0.000165
A (U74A)	104671_at	118 Ampd3 gene	1	1	0	0.000165
A (U74A)	96278_at	119 I110020C13Rik (RIKEN cDNA I110020C13)	1	1	0.000165	0.000001
A (U74A)	68533_at	120 0610009N12Rik (RIKEN cDNA 0610009N12 gene)	1	1	0.000165	0.000001
A (U74C)	140664_r_at	121 5716627_RC (ub64f01, xl Soares, mammary_gland_NMLMG)	1	1	0.000165	0.000004
A (U74C)	166247_at	122 ESTs, Moderately similar to T00380 KIAA0637 protein	1	1	0.000107	0.000068
A (U74A)	160199_at	123 Hnrpc (heterogeneous nuclear ribonucleoprotein C)	1	1	0.000177	0
A (U74A)	104602_at	124 D2Ertld20e (DNA segment, Chr 2, ERATO Doi 120, expressed)	1	1	0.000001	0.000177
A (U74C)	136537_at	125 ESTs (vi99f07.xl Barstead mouse pooled organs MPLRB4)	1	1	0.000063	0.000115
A (U74B)2	110980_at	126 ESTs (UI-M-BIH-ako-e-10-0-UI, sl NIH_BMAP_M_S2)	1	1	0.000003	0.000177
A (U74A)	96060_at	127 Serpinb6 (serine protease inhibitor)	1	1	0	0.000191
A (U74A)	102249_at	128 advillin	1	1	0.000008	0.000191

Fig. 1B-2

Analysis Name	Probe Set Name	Gene Name	Change	Change Status	Change p-value	Change p-value
A (U74B)2	116400_at	129 4632415D10Rik (RIKEN cDNA 4632415D10 gene)	1	1	0.000063	0.000165
A (U74A)	104589_at	130 Rmp-pending (RPB5-mediating protein)	1	1	0.000191	0.000054
A (U74A)	160979_at	131 ESTs (UI-M-BH2,3-aca-c-03-0-UI, s1 NIH_BMAP_M_S3, 3)	1	1	0.000236	0.000009
A (U74B)2	163364_at	132 5730496F10Rik (RIKEN cDNA 5730496F10 gene)	1	1	0.00004	0.000205
A (U74B)2	162927_at	133 transmembrane protein Bet, complete cds	1	1	0.000243	0.000007
A (U74A)	95058_f_at	134 2610205H19Rik (RIKEN cDNA 2610205H19)	1	1	0.000253	0
A (U74B)2	106302_at	135 ETSs, Weakly similar to Ail-1 protein +GTE form	1	1	0.000063	0.00022
A (U74C)	170331_i_at	136 ETSs, AV043202 Mus musculus adult C57BL/6J testis	1	1	0.000023	0.000273
A (U74A)	104268_at	137 interleukin-6 (IL-6) receptor	1	1	0.00005	0.000253
A (U74A)	94433_at	138 AI316867 (expressed sequence AI316867)	1	1	0.000311	0
A (U74A)	99678_f_at	139 Atp51 (ATP synthase, H+ transporting, mitochondrial F0 complex)	1	1	0.000092	0.00022
A (U74A)	102000_f_at	140 1500004006Rik (RIKEN cDNA 1500004006 gene)	1	1	0.000311	0.000001
A (U74A)	161969_f_at	141 Capg (capping protein (actin filament), gelsolin-like)	1	1	0.000003	0.000311
A (U74A)	103471_at	142 4432405K22Rik (RIKEN cDNA 4432405K22 gene)	1	1	0.000027	0.00029
A (U74C)	136663_at	143 ESTs, UI-M-AOI-acl-c-05-0-UI.s1 NIH_BMAP_MPG_N	1	1	0.00022	0.000099
A (U74A)	162094_f_at	144 Wilms' tumour 1-associating protein	1	1	0.000236	0.000085
A (U74A)	97919_at	145 1110021E09Rik (RIKEN cDNA 1110021E09 gene)	1	1	0.000311	0.000011
A (U74A)	101995_at	146 Sqstm1 (sequestosome 1, transcription co-factor)	1	1	0.000333	0
A (U74B)2	108493_at	147 4632462J16Rik (RIKEN cDNA 4632432J16 gene)	1	1	0.000236	0.000099
A (U74A)	95288_i_at	148 AI848106 (expressed sequence AI848406)	1	1	0.000332	0.000003
A (U74B)2	112857_g_at	149 4930404N11Rik (RIKEN cDNA 4930404N11 gene)	1	1	0.000253	0.000085
A (U74C)	168210_r_at	150 ESTs, Weakly similar to vacuolar ATP synthase subunit D	1	1	0.000006	0.000333
A (U74C)	166304_f_at	151 5730403E06Rik (RIKEN cDNA 5730403E06 gene)	1	1	0.000333	0.000007
A (U74A)	100479_at	152 Dnmt3a (DNA methyltransferase 3A)	1	1	0.000333	0.000011
A (U74A)	161756_at	153 4833420N02Rik (RIKEN cDNA 4833420N02 gene)	1	1	0.00029	0.000115
A (U74A)	104308_at	154 Itgax (integrin alpha X)	1	1	0.000408	0
A (U74A)	96281_at	155 Atp6gl (ATPase, H+ transporting)	1	1	0.000408	0
A (U74A)	98473_at	156 Arg2 (arginase type II)	1	1	0.000029	0.000382
A (U74A)	161754_f_at	157 Gbl1 (galactosidase, beta 1)	1	1	0.000013	0.000408
A (U74A)	160399_r_at	158 H2afy (H2A histone family, member Y)	1	1	0.000014	0.000408
A (U74B)2	106617_at	159 AW123240 (expressed sequence AW123240)	1	1	0.000437	0.000001
A (U74A)	94774_at	160 Ifi202a (interferon activated gene 202A)	1	1	0.000437	0.000001
A (U74A)	98981_s_at	161 Tcf12 (transcription factor 12)	1	1	0.000068	0.000382

Fig. 1C-1

Analysis Name	Probe Set Name	Gene Name	Change	Change	Status	Change p-value	Change p-value
A (U74A)	92598_at	162 Atp6b2 (hydrogen-transporting)	1	1	1	0.000467	0.000001
A (U74A)	92480_f_at	163 Zfp118 (Zinc finger protein 118)	1	1	1	0.000467	0.000009
A (U74A)	94939_at	164 Cd53 (CD53 antigen)	1	1	1	0.000467	0.000012
A (U74A)	160141_r_at	165 5730507C05Rik (RIKEN cDNA 5730507C05 gene)	1	1	1	0.000079	0.000408
A (U74A)	92492_at	166 adenylate kinase 3 alpha like	1	1	1	0.000107	0.000382
A (U74A)	102644_at	167 Mus musculus (C57BL/10 X C3H)F2 clone 1.5 nivel mRNA from renin-expressing kidney tumor cell line	1	1	1	0.000533	0.000002
A (U74B)2	114270_at	168 ESTs, UI-M-BHI-ami-b-10-0-UI.sl	1	1	1	0.000011	0.000533
A (U74C)	166804_f_at	169 AV105500 Mus musculus liver C57BL/6J 13-day embryo	1	1	1	0.000001	0.000557
A (U74C)	166076_r_at	170 2500001K11Rik (RIKEN cDNA 2500001K11 gene)	1	1	1	0.00057	0.000001
A (U74B)2	114238_at	171 A1426953 (mn07e09.yl Beddington mouse embryonic region)	1	1	1	0.000533	0.00005
A (U74A)	92660_f_at	172 Ube2el (ubiquitin-conjugating enzyme E2E 1)	1	1	1	0.00057	0.000019
A (U74A)	160397_at	173 Mus musculus, Similar to 1K cytokine, down-regulator of HLA 11, clone WGC:25508 IMAGE:490184, mRNA	1	1	1	0.000001	0.000608
A (U74A)	98468_r_at	174 A1316859 (expressed sequence A1316859)	1	1	1	0.000533	0.000085
A (U74A)	92356_at	175 Ptpn8 (protein tyrosine phosphatase, non-receptor type 8)	1	1	1	0.000649	0
A (U74C)	166673_at	176 AV319021 RIKEN full-length enriched, 13 days embryo male testis	1	1	1	0.000001	0.000649
A (U74A)	93970_at	177 5730403B10Rik (gene with protein product, function unknown)	1	1	1	0.000649	0.000001
A (U74C)	140759_at	178 ESTs, Moderately similar to T43486 hypothetical protein DKFZp434N1272.1	1	1	1	0.000649	0.000004
A (U74A)	95070_at	179 Nars (asparaginyl-tRNA synthetase)	1	1	1	0.00057	0.000092
A (U74C)	168018_at	180 hypothetical protein, MGC:7041	1	1	1	0.000133	0.000533
A (U74A)	94476_at	181 AA672926 (RIKEN cDNA 4930553M18)	1	1	1	0.000467	0.000205
A (U74A)	92847_s_at	182 M6pr (integral membrane protein)	1	1	1	0.00022	0.000467
A (U74A)	102222_at	183 Utx (ubiquitously transcribed tetrapeptide repeat gene)	1	1	1	0.000085	0.000608
A (U74A)	104314_r_at	184 1110032A03Rik (RIKEN cDNA 1110032A03 gene)	1	1	1	0.000693	0.000037
A (U74A)	102940_at	185 Ltb (lymphotoxin B)	1	1	1	0.000739	0
A (U74A)	99051_at	186 msl protein gene, exon 2	1	1	1	0.000001	0.000739
A (U74C)	171593_at	187 Cox5a (cytochrome c oxidase, subunit Va)	1	1	1	0.000467	0.00029
A (U74A)	100905_at	188 4921531D01Rik (RIKEN cDNA 4921531D01 gene)	1	1	1	0	0.000789
A (U74A)	103443_at	189 Aiml (absent in melanoma 1)	1	1	1	0	0.000789
A (U74A)	102211_r_at	190 A1605202 (expressed sequence A1605202)	1	1	1	0.00057	0.000253
A (U74A)	161912_r_at	191 Numb (numb gene homolog (Drosophila ))	1	1	1	0.000581	0.000258
A (U74A)	103222_at	192 Eps8 (epidermal growth factor receptor pathway substrate 8)	1	1	1	0	0.000841
A (U74A)	96752_at	193 intercellular adhesion molecule 1 (ICAM-1) gene, exons 6 and 7	1	1	1	0.000001	0.000841

Fig. 1C-2

Analysis Name	Probe Set Name	Gene Name	Change	Change Status	Change p-value	Change p-value
A (U74A)	102060_at	194 Golga4 (golgi autoantigen, golgin subfamily a, 4)	1	1	0.000739	0.000115
A (U74B)2	110269_at	195 2310032J20Rik (RIKEN cDNA 2310032J20 gene)	1	1	0.000205	0.000649
A (U74A)	92582_at	196 Slc1a7 (membrane)	1	1	0.000649	0.00022
A (U74A)	93994_at	197 Mus musculus 10 day old male pancreas cDNA	1	1	0.000739	0.000177
A (U74A)	102384_at	198 2610209L14Rik (RIKEN cDNA 2610209L14 gene)	1	1	0.000437	0.000499
A (U74C)	168478_s_at	199 5730496F10Rik (RIKEN cDNA 5730496F10 gene)	1	1	0.000608	0.000333
A (U74A)	93038_f_at	200 lipocortin 1 gene, exon 13	1	1	0.000955	0
A (U74A)	102872_f_at	201 Zfp51 (zinc finger protein 51)	1	1	0.000789	0.000177
A (U74A)	161617_f_at	202 2410001E19Rik (RIKEN cDNA 2410001E19 gene)	1	1	0.000611	0.000376
A (U74A)	95784_at	203 Piral (paired-Ig-like receptor A1)	1	1	0.000001	0.001017
A (U74C)	130186_f_at	204 Tcirlg1 (T-cell, immune regulator 1)	1	1	0.000004	0.001017
A (U74A)	97914_at	205 mitochondrial stress-70 protein (PBP74/CSA), exon 14, 15, 16 and 17	1	1	0.000143	0.000896
A (U74A)	96790_f_at	206 AU015645 (expressed sequence AU015645)	1	1	0.000236	0.000841
A (U74A)	96696_at	207 UI-M-AK0-adc-e-02-0-UI.sl	1	1	0.001082	0.000002
A (U74A)	96013_r_at	208 Matr3 (martin 3)	1	1	0.001082	0.000009
A (U74A)	97710_f_at	209 Mpv171 (Mpv17 transgene, kidney disease mutant-like)	1	1	0.000789	0.000311
A (U74B)2	109355_at	210 ESTs, Weakly similar to T00039 hypothetical protein KIAA0290	1	1	0.00057	0.000533
A (U74A)	95010_at	211 Traf3 (Tnf receptor-associated factor 3)	1	1	0.00057	0.000533
A (U74A)	98767_at	212 Yy1 (YY1 transcription factor)	1	1	0.001082	0.00004
A (U74C)	167634_i_at	213 ESTs, AV247190 RIKEN full-length enriched, 0 day neonate head	1	1	0.001117	0.000009
A (U74A)	93445_at	214 Api6 (apoptosis inhibitory 6)	1	1	0.000005	0.001152
A (U74A)	160949_at	215 Parg (poly (ADP-ribose) glycohydrolase)	1	1	0.001152	0.000029
A (U74A)	161696_f_at	216 C77080 (expressed sequence C77080)	1	1	0.001152	0.000074
A (U74B)2	113740_at	217 AI225872 (vx57d10.rl Stratagene mouse macrophage (#937306))	1	1	0.001226	0.000031
A (U74C)	171048_i_at	218 AV338811 RIKEN full-length enriched, adult male olfactory bulb	1	1	0.000419	0.000854
A (U74A)	162463_at	219 Tpd52 (tumor protein D52)	1	1	0.000896	0.000382
A (U74A)	93907_f_at	220 MIA14 full-length intracisternal A-particle gag protein gene	1	1	0.000133	0.001152
A (U74C)	165724_at	221 4930438D12Rik RIKEN cDNA 4930438D12 gene)	1	1	0.001304	0.000002
A (U74A)	104621_at	222 ESTs, Highly similar to T00268 hypothetical protein KIAA0597 [H. sapiens]	1	1	0.001226	0.000133
A (U74A)	97853_at	223 AA408851 (gene with protein product, function unknown)	1	1	0.001226	0.000133
A (U74C)	166852_at	224 AI851877 (UI-M-BH0-aix-a-11-0-UI. sl NIH_BMAP_M_SI)	1	1	0.000043	0.001387
A (U74A)	160103_at	225 Axot (axotrophin)	1	1	0.001387	0.000079
A (U74A)	160156_at	226 vx55cll.rl Stratagene mouse macrophage	1	1	0	0.001474

Fig. 1D-1

Analysis Name	Probe Set Name	Gene Name	Change	Change	Status	Change p-value	Change p-value
A (U74A)	96900_at	227 Als2 (amyotrophic lateral sclerosis 2)	1	1	1	0.001474	0.000001
A (U74A)	92191_at	228 2810410A08Rik (RIKEN cDNA 2810410A08 gene)	1	1	1	0.001474	0.000006
A (U74A)	160697_at	229 C77080 (expressed sequence C77080)	1	1	1	0.001474	0.00004
A (U74A)	161695_f_at	230 Slc6a4 (solute carrier family 6 (neurotransmitter transporter, serotonin), member 4)	1	1	1	0.000467	0.001082
A (U74A)	100570_at	231 Nyren18-pending (NY-REN-18 antigen)	1	1	1	0.000085	0.001474
A (U74A)	92638_at	232 Ppp2ca (protein serine/threonine phosphatase)	1	1	1	0.001474	0.000085
A (U74A)	99143_at	233 Tgln2 (trans-golgi network protein 2)	1	1	1	0.001566	0.000003
A (U74A)	102002_at	234 Ubqln2 (ubiquilin 2)	1	1	1	0.000004	0.001566
A (U74A)	161244_f_at	235 Pstipl (proline-serine-threonine phosphatase-interacting protein 1)	1	1	1	0.000789	0.000789
A (U74A)	103235_at	236 0710005A05Rik (RIKEN cDNA 0710005A05 gene)	1	1	1	0.000205	0.001387
A (U74A)	97395_at	237 D19Wsu55e (DNA segment, Chr 19, Wayne State University 55, expressed)	1	1	1	0.001566	0.000029
A (U74A)	101004_f_at	238 Srp20 gene	1	1	1	0.001474	0.000165
A (U74A)	98112_r_at	239 2140015L10Rik (leucine aminopeptidase)	1	1	1	0.000271	0.001387
A (U74A)	103444_at	240 ESTs, Weakly similar to SMB2 MOUSE DNA-BINDING PROTEIN SMUBP-2	1	1	1	0.000001	0.001664
A (U74A)	103312_f_at	241 C79684 (expressed sequence C79684)	1	1	1	0.000012	0.001664
A (U74A)	97947_at	242 1700031C13Rik (RIKEN cDNA 1700031C13 gene)	1	1	1	0.000333	0.001387
A (U74A)	100561_at	243 IQ motif containing GTPase activating protein 1	1	1	1	0.000437	0.001304
A (U74C)	168016_r_at	244 6030404E16Rik (RIKEN cDNA 6030404E16 gene)	1	1	1	0.000739	0.001017
A (U74A)	94806_at	245 Pdhb (pyruvate dehydrogenase (lipoamide) beta)	1	1	1	0.001664	0.000115
A (U74A)	95533_at	246 Zfp106 (zinc finger protein 106)	1	1	1	0.000124	0.001664
A (U74A)	160263_r_at	247 0710001020Rik (RIKEN cDNA 0710001020 gene)	1	1	1	0.00004	0.001767
A (U74A)	101502_at	248 Tgif (TG interacting factor, transcription factor)	1	1	1	0.001876	0
A (U74A)	99856_r_at	249 Ctnd2 (catenin (cadherin-associated protein), delta 2)	1	1	1	0.001543	0.000333
A (U74A)	102124_f_at	250 Cox4a (cytochrome c oxidase, subunit IVa)	1	1	1	0.001304	0.000608
A (U74B)2	112926_at	251 hypothetical protein, MGC:7036	1	1	1	0.000047	0.001876
A (U74B)2	108058_at	252 2810441M03Rik (RIKEN cDNA 2810441M03 gene)	1	1	1	0.001664	0.00029
A (U74A)	161127_i_at	253 ESTs, Weakly similar to RL24_HUMAN 60S RIBOSOMAL PROTEIN	1	1	1	0.000905	0.001056
A (U74C)	167468_at	254 AW11752 (expressed sequence AW011752)	1	1	1	0.001876	0.000107
A (U74B)2	111877_at	255 ESTs, Highly similar to T41751 l-afadin - rat	1	1	1	0.000003	0.001991
A (U74A)	103563_at	256 4930534K13Rik (RIKEN cDNA 4930534K13 gene)	1	1	1	0.001991	0.000003
A (U74A)	96724_r_at	257 R75011 (expressed sequence R75011)	1	1	1	0.000467	0.001566
A (U74B)2	116599_at	258 ESTs vo59b04. rl Soares_mammary_gland_NbMMG	1	1	1	0.001017	0.001017

Fig. 1D-2



Analysis Name	Probe Set Name	Gene Name	Change	Change Status	Change p-value	Change p-value
A (U74A)	93964_s_at	259 Mus musculus putative RNA helicase RCK mRNA	1	1	0.001991	0.000043
A (U74A)	102205_at	260 MafB (v-maf musculoaponeurotic fibrosarcoma oncogene family, protein B (avian))				
A (U74A)	93491_f_at	261 1100001F19Rik (gene with protein product, function unknown)	1	1	0.000311	0.001767
A (U74A)	102425_at	262 Tlel (transducin-like enhancer of split 1, homolog of Drosophila E(spl))	1	1	0.000001	0.002112
A (U74A)	94832_at	263 Ags, L44L, and Btk genes	1	1	0.001991	0.000154
A (U74A)	101684_r_at	264 Srst (simple repeat sequence-containing transcript)	1	1	0.000063	0.002112
A (U74A)	99823_r_at	265 D18Erd232e (DNA segment, Chr 18, ERATO Doi 232)	1	1	0.000074	0.002112
A (U74A)	94076_i_at	266 Rpn2 (ribophorin II)	1	1	0.001304	0.000896
A (U74B)2	114812_at	267 Pnaip1 (phorbol-12-myristate-13-acetate-induced protein 1)	1	1	0.000007	0.002195
A (U74A)	99522_at	268 Gsg2 (germ cell-specific gene 2)	1	1	0.000003	0.00224
A (U74A)	104612_g_at	269 C77982 (expressed sequence C77982)	1	1	0.000019	0.00224
A (U74A)	160947_at	270 A1851258 (expressed sequence A1851258)	1	1	0.000896	0.001474
A (U74B)2	162618_at	271 A1785475 (uj42f11.x1 Sugano mouse liver mlia)	1	1	0.002375	0.000034
A (U74A)	92338_f_at	272 Mus musculus cDNA clone IMAGE:2136264 3'	1	1	0.001152	0.001304
A (U74C)	166692_at	273 A1450803 (expressed sequence A1450803)	1	1	0.000467	0.001991
A (U74C)	166999_at	274 ESTs, AV152718 Mus musculus hippocampus C57BL/6J	1	1	0.000896	0.001566
A (U74A)	96695_at	275 Ube2a (ubiquitin-conjugating enzyme E2A)	1	1	0.001991	0.000499
A (U74C)	167626_r_at	276 ESTs, Weakly similar to T22586 hypothetical protein F53F4.14 - Caenorhabditis elegans	1	1	0.001991	0.000499
A (U74C)	168057_f_at	277 ESTs, Weakly similar to T00268 hypothetical protein KIAA0597	1	1	0.001248	0.001248
A (U74A)	94043_at	278 Atp6s1 (integral membrane protein)	1	1	0.001767	0.000739
A (U74B)2	111381_r_at	279 AV216087 (vn21e07.r1 Knowles Solter mouse blastocyst B1)	1	1	0.002112	0.000499
A (U74A)	160442_at	280 Cctb gene for chaperonin containing TCP-1 beta subunit	1	1	0.00057	0.00224
A (U74C)	169904_r_at	281 Ebat (endometrial bleeding associated factor)	1	1	0.001664	0.001226
A (U74A)	102017_at	282 Ptpk (pre-mRNA protein kinase)	1	1	0.001304	0.001664
A (U74A)	161377_at	283 Emr1 (EGF-like module containing, mucin-like, hormone receptor-like sequence 1)	1	1	0.00224	0.001017
A (U74C)	168277_r_at	284 D14Erd226e, AV232952 RIKEN full-length enriched, 0 day neonate skin	1	1	0.001876	0.001387
A (U74A)	104489_at	285 Sntb2 (syntrophin, basic 2)	1	1	0.001664	0.001991
			1	1	0.001474	0.00224

Fig. 1E

Analysis Name	Probe Set Name	Gene Name	Change	Change	Status	Change p-value	Change p-value
A (U74A)	99521_at	286 Ak4 (adenylate kinase 4)	0	0	0	0.998009	0.998336
A (U74B)2	115760_at	287 Mus musculus, clone MGC:11687 IMAGE:3961992, mRNA, complete cds	0	0	0	0.99776	0.999307
A (U74B)2	112703_at	288 ESTs, UI-M-AQ1-aef-f-04-0-UI.s1 NIH_BMAP_MHI_N	0	0	0	0.999211	0.998233
A (U74B)2	112889_at	289 AB041662 (hypothetical protein, MNCb-4193)	0	0	0	0.998009	0.999533
A (U74B)2	112988_at	290 ESTs, Weakly similar to ATIB MOUSE POTENTIAL PHOSPHOLIPID-TRANSPORTING ATPASE IB	0	0	0	0.999998	0.997625
A (U74C)	137034_f_at	291 5712828_RC, ve47g08.x1 Beddington mouse embryonic	0	0	0	0.999999	0.997626
A (U74C)	133928_at	292 ESTs, vk39a06.x1 Soares_mammary_gland_NbNNG	0	0	0	0.999941	0.99776
A (U74B)2	164216_at	293 Erol (ERO1-like (S. cerevisiae))	0	0	0	0.998009	0.99971
A (U74B)2	113182_at	294 D1Erd101e (DNA segment, Chr 1, ERATO Doi 101, expressed)	0	0	0	0.998124	0.999689
A (U74B)2	112401_at	295 AU022421 (ua72h12.rl Soares_thymus_2NbMT)	0	0	0	0.998613	0.999211
A (U74A)	101956_at	296 ESTs, Weakly similar to S21801 myosin heavy chain	0	0	0	0.999946	0.997888
A (U74A)	98918_at	297 D13Wsu115e (bone morphogenetic protein 6)	0	0	0	0.999915	0.998009
A (U74A)	93548_at	298 AW122942 (gene with protein product, function unknown)	0	0	0	0.998009	0.999926
A (U74C)	AFFX-MURINE_b1	299 Mus musculus C57/Black6 BC1 scRNA	0	0	0	0.998735	0.999269
A (U74A)	95468_at	300 Egl1 (EGL nine homolog 1)	0	0	0	0.998124	0.999999
A (U74B)2	115354_at	301 AU045240 (RIKEN cDNA 1110054A24 gene)	0	0	0	0.998233	0.999987
A (U74A)	95722_at	302 Glrx1 (glutaredoxin 1, glutaredoxin)	0	0	0	0.998526	0.999941
A (U74A)	95456_r_at	303 Shfdgl (split hand/foot deleted gene 1)	0	0	0	0.998526	0.999946
A (U74A)	95643_at	304 Wdr6 (WD repeat domain 6)	0	0	0	0.998526	0.99996
A (U74C)	135189_f_at	305 A1413331 (expressed sequence A1413331)	0	0	0	1	0.998526
A (U74A)	99566_at	306 triosephosphate isomerase (tpi) gene	0	0	0	0.998613	0.999971
A (U74B)2	112767_s_at	307 Utm (utrophin)	0	0	0	0.999991	0.998774
A (U74B)2	115920_at	308 EST C78892	0	0	0	0.998774	0.999997
A (U74A)	AFFX-MURINE_b1	309 Mus musculus C57/Black6 BC1 scRNA	0	0	0	0.999958	0.998835
A (U74A)	94322_at	310 Sqle (squalene epoxidase, integral membrane protein)	0	0	0	1	0.998848
A (U74A)	95636_at	311 1110020A23Rik (RIKEN cDNA 1110020A23 gene)	0	0	0	0.999689	0.999211
A (U74A)	93602_at	312 Rps6ka4 (ribosomal protein S6 kinase)	0	0	0	0.999501	0.999533
A (U74B)2	107005_at	313 D1Erd101e (DNA segment, Chr 1, ERATO Doi 101, expressed)	0	0	0	0.999392	0.999667
A (U74A)	93264_at	314 Srebf1 (sterol regulatory element binding factor 1, integral membrane protein)	0	0	0	0.999159	1
A (U74B) 2	108095_at	315 Egl1 (EGL nine homolog 1)	0	0	0	0.999211	0.999999
A (U74B)2	112977-at	316 ESTs, UI-M-BH1-anb-a-03-0-UI, s1 NIH_BMAP_M_S2	0	0	0	0.999987	0.999261
A (U74A)	160862_at	317 Ptp4a3 (protein tyrosine phosphatase 4a3)	0	0	0	0.999261	0.999997

Fig. 2A-1

Analysis Name	Probe Set Name	Gene Name	Change	Change Status	Change p-value	Change p-value
A (U74A)	101930_at	318 Nfix (nuclear factor I/X)	0	0	0.999999	0.999261
A (U74A)	95758_at	319 Scd2 (stearoyl-Coenzyme A desaturase 2, integral membrane protein)	0	0	0.999999	0.999261
A (U74B)2	109390_at	320 Siat10 (sialyltransferase 10 (alpha-2,3-sialyltransferase VI))	0	0	0.999392	0.999908
A (U74B)2	115756_at	321 Fgd2 (faciogenital dysplasia homolog 2 (human))	0	0	0.999941	0.999392
A (U74B)2	107435_at	322 BB104748 (expressed sequence BB104748)	0	0	0.99943	0.99996
A (U74B)2	115556_s_at	323 AI552584 (expressed sequence AI552584)	0	0	0.99943	0.999998
A (U74B)2	111380_at	324 1110011E12Rik (RIKEN cDNA 1110011E12 gene)	0	0	0.999973	0.999592
A (U74A)	95674_r_at	325 2610024P12Rik (RIKEN cDNA 2610024P12 gene)	0	0	0.999893	0.999689
A (U74A)	160065_s_at	326 Csrp (cysteine rich protein)	0	0	0.999954	0.999729
A (U74A)	102208_at	327 Siat10 (sialyltransferase 10)	0	0	0.999977	0.999747
A (U74A)	96008_at	328 Defender against Apoptotic Death (Dadl) gene, exon 3	0	0	0.99995	0.999795
A (U74A)	98129_at	329 Tmsb10 (thymosin, beta 10)	0	0	0.999795	0.999998
A (U74B)2	108614_f_at	330 1110012005Rik (RIKEN cDNA 1110012005 gene)	0	0	0.999926	0.999876
A (U74A)	160568_at	331 Enol (enolase 1, alpha non-neuron)	0	0	0.999908	0.999901
A (U74C)	166122_at	332 4930583H14Rik (RIKEN cDNA 4930583H14 gene)	0	0	0.999952	0.999885
A (U74B)2	105752_f_at	333 Gcn512 (general control of amino acid synthesis-like 2 (yeast))	0	0	0.999885	0.999997
A (U74A)	96359_at	334 D1Erd101e (DNA segment)	0	0	0.999969	0.999932
A (U74A)	92232_at	335 Cish3 (cytokine inducible SH2-containing protein 3)	0	0	1	0.999908
A (U74C)	165678_i_at	336 AV022454 (expressed sequence AV022454)	0	0	0.999962	0.999955
A (U74A)	101495_at	337 MD3 mRNA	0	0	0.999999	0.999932
A (U74A)	93574_at	338 Serpinfl (serine proteinase inhibitor, serpin)	0	0	0.999983	0.999957
A (U74A)	101571_g_at	339 insulin like growth factor binding protein 4	0	0	1	0.99996
A (U74A)	99024_at	340 Mad4 (Max dimerization protein 4)	0	0	0.999996	0.999966
A (U74B)2	112405_at	341 MCT4 (monocarboxylate transporter 4)	0	0	0.999966	1
A (U74A)	94057_g_at	342 stearoyl-CoA desaturase gene, exon 6	0	0	0.999986	0.999982
A (U74A)	101587_at	343 Ephx1 (epoxide hydrolase 1, epoxide hydrolase)	0	0	0.999986	0.999985
A (U74A)	92858_at	344 secretory leukoprotease inhibitor gene	0	0	0.999983	0.999988
A (U74B)2	163664_at	345 Fadsd2 (fatty acid desaturase 2)	0	0	0.999987	0.999986
A (U74A)	160424_f_at	346 farnesyl pyrophosphate synthase (Fpps) mRNA	0	0	0.999999	0.999979
A (U74B) 2	163063_i_at	347 1500004A08Rik (RIKEN cDNA 1500004A08 gene)	0	0	0.999987	0.999991
A (U74A)	93836_at	348 Bnip3 (BCL2/adenovirus E1B 19 kDa-interacting protein 1, integral membrane protein)	0	0	0.999998	0.999993
A (U74A)	104728_at	349 Prosl (protein S (alpha))	0	0	0.999999	0.999995
A (U74B)2	164098_at	350 Fzd7 (frizzled homolog 7 (Drosophila))	0	0	0.999998	0.999996

Fig. 2A-2

Analysis Name	Probe Set Name	Gene Name	Change	Change Status	Change p-value	Change p-value
A (U74A)	98496_at	351 Gyls (glycogen synthase 1, enzyme)	0	0	0	0.999997
A (U74A)	101084_f_at	352 1110001H19Rik (RIKEN cDNA 1110001H19 gene)	0	0	0	0.999996
A (U74A)	97885_at	353 1810009M01Rik (LR8 protein)	0	0	0	0.999999
A (U74A)	94056_at	354 stearyl-CoA desaturase gene, exon 6	0	0	0	0.999999
A (U74A)	99599_s_at	355 1110030G05Rik (RIKEN cDNA 1110030G05 gene)	0	0	0	0.999999
A (U74A)	93583_s_at	356 Mouse germ line gene fragment for mu-immunoglobulin C-terminus (secreted form)	0	0	0	0.999999
A (U74A)	94304_at	357 Anxa6 (annexin A6, calcium binding)	0	0	0	0.999999
A (U74A)	96605_at	358 0610011104Rik (gene with protein product, function unknown)	0	0	0	0.999999
A (U74A)	99098_at	359 farnesyl pyrophosphate synthase (Fpps) mRNA	0	0	0	0.999999
A (U74C)	166934_s_at	360 Lamb1-1 (laminin B1 subunit 1)	0	0	0	0.999999
A (U74A)	92637_at	361 Pfkfb1 (6-phosphofructokinase, enzyme)	0	0	0	0.999999
A (U74A)	104313_at	362 2610020G18Rik (RIKEN cDNA 2610020G18 gene)	0	0	0	0.999999
A (U74A)	92851_at	363 Cp (ceruloplasmin, copper binding)	0	0	0	0.999999
A (U74A)	93351_at	364 Hpgd (hydroxyprostaglandin dehydrogenase 15)	0	0	0	0.999999

Fig. 2B

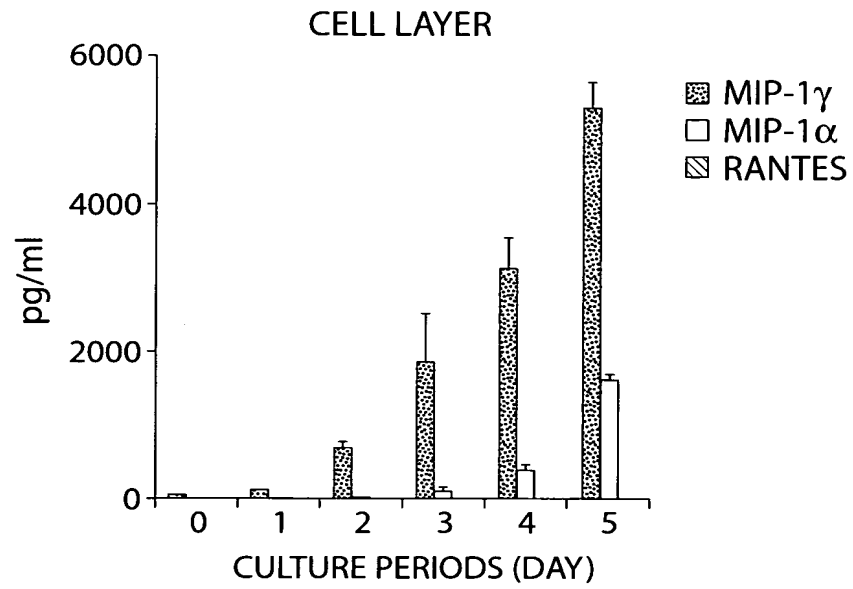


Fig. 3A

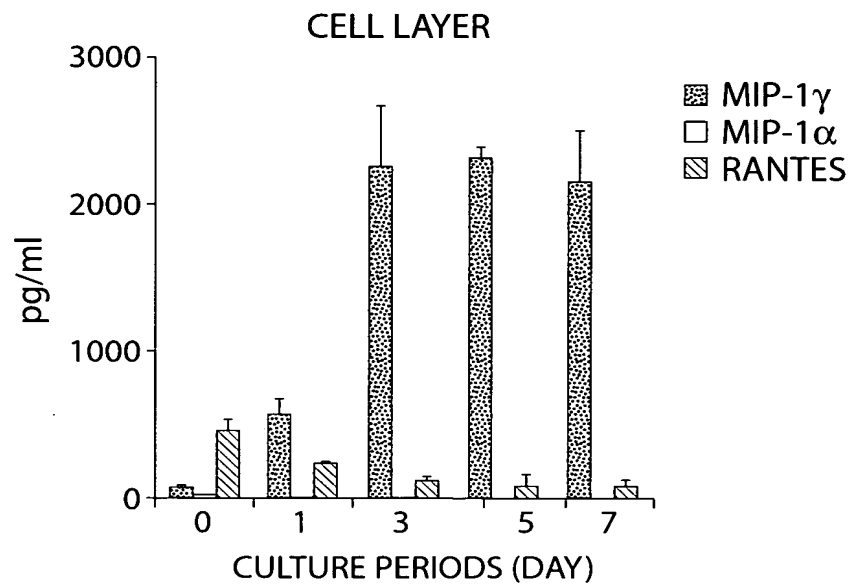


Fig. 3B

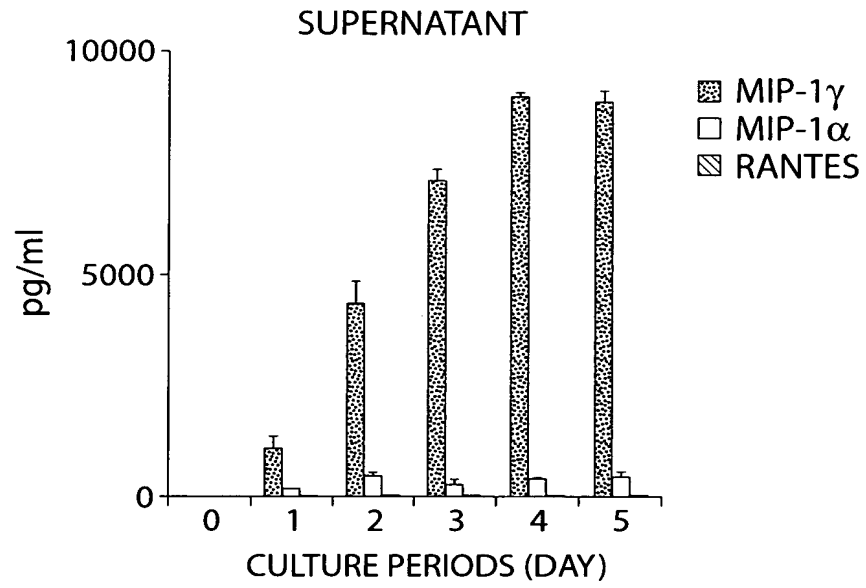


Fig. 3C

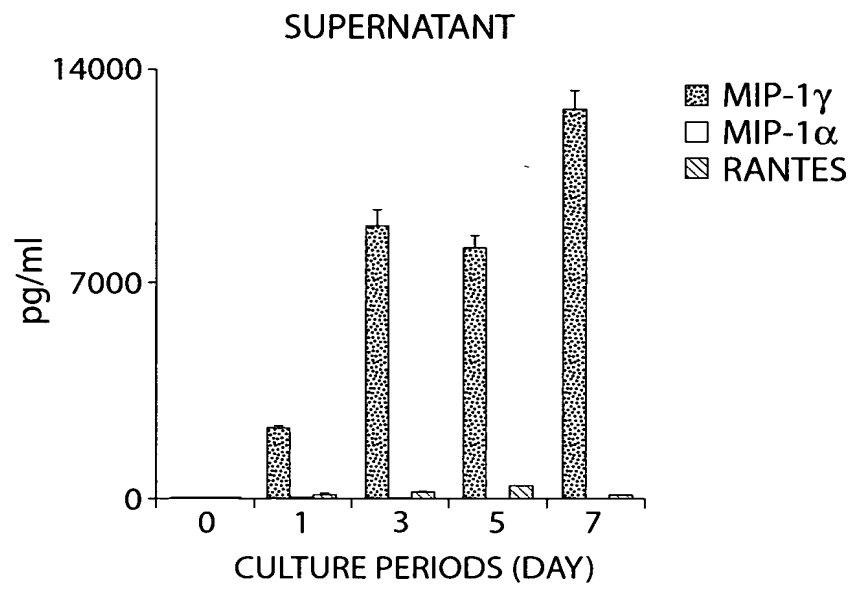


Fig. 3D

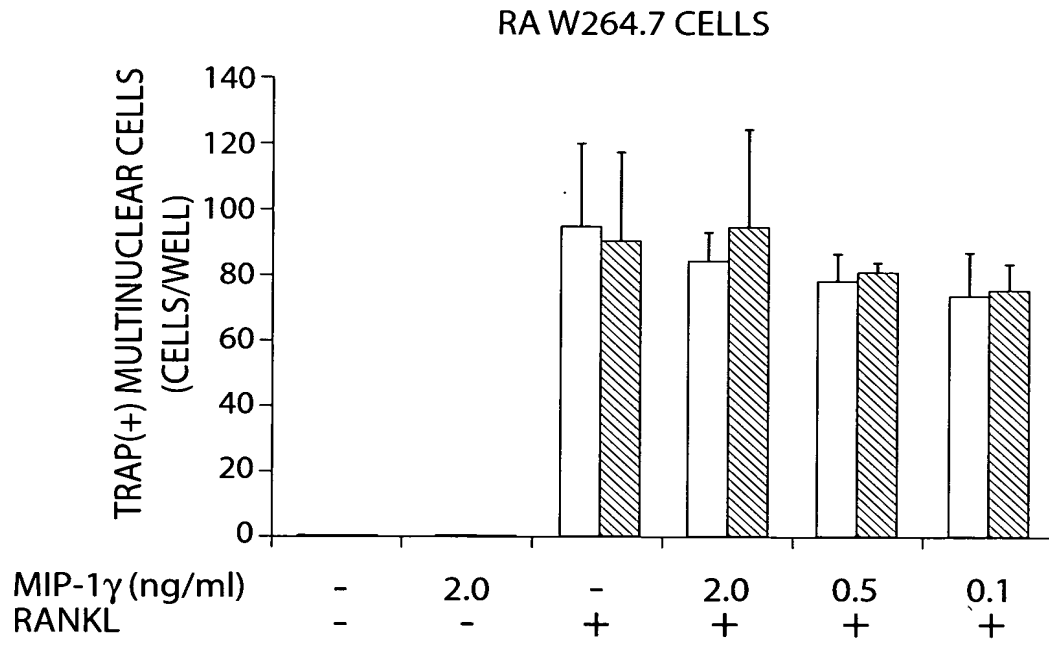


Fig. 4A

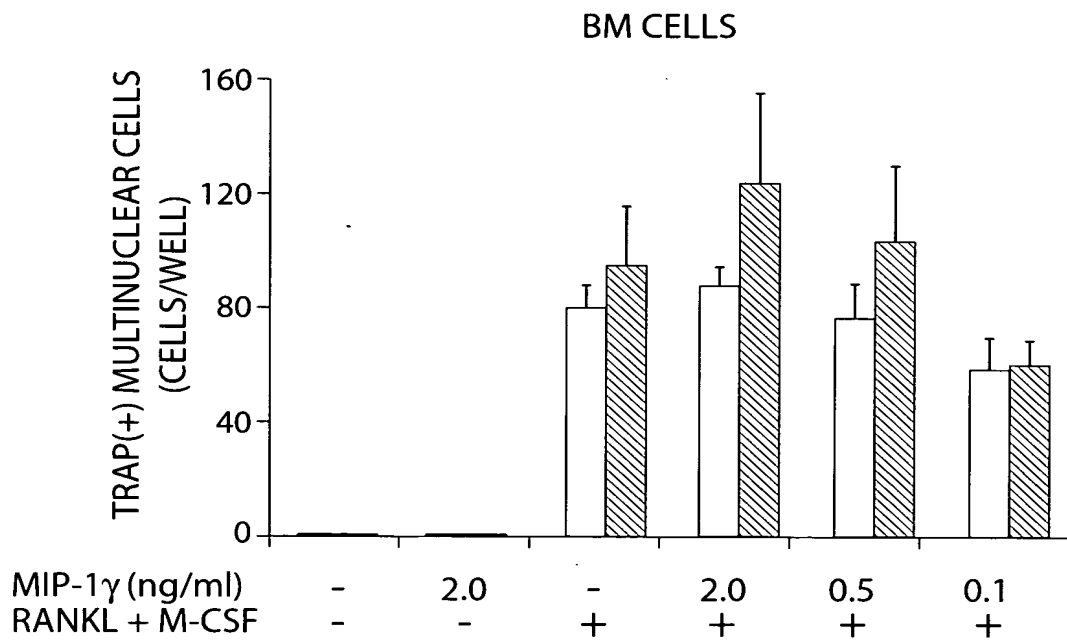
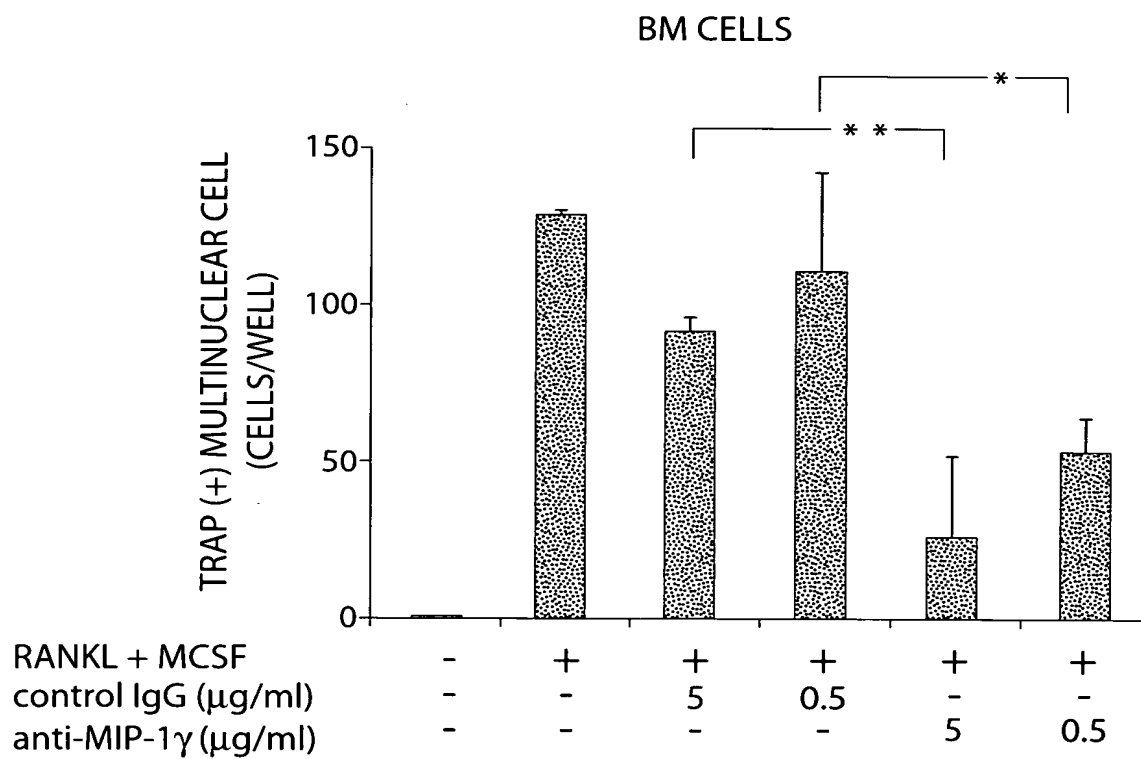
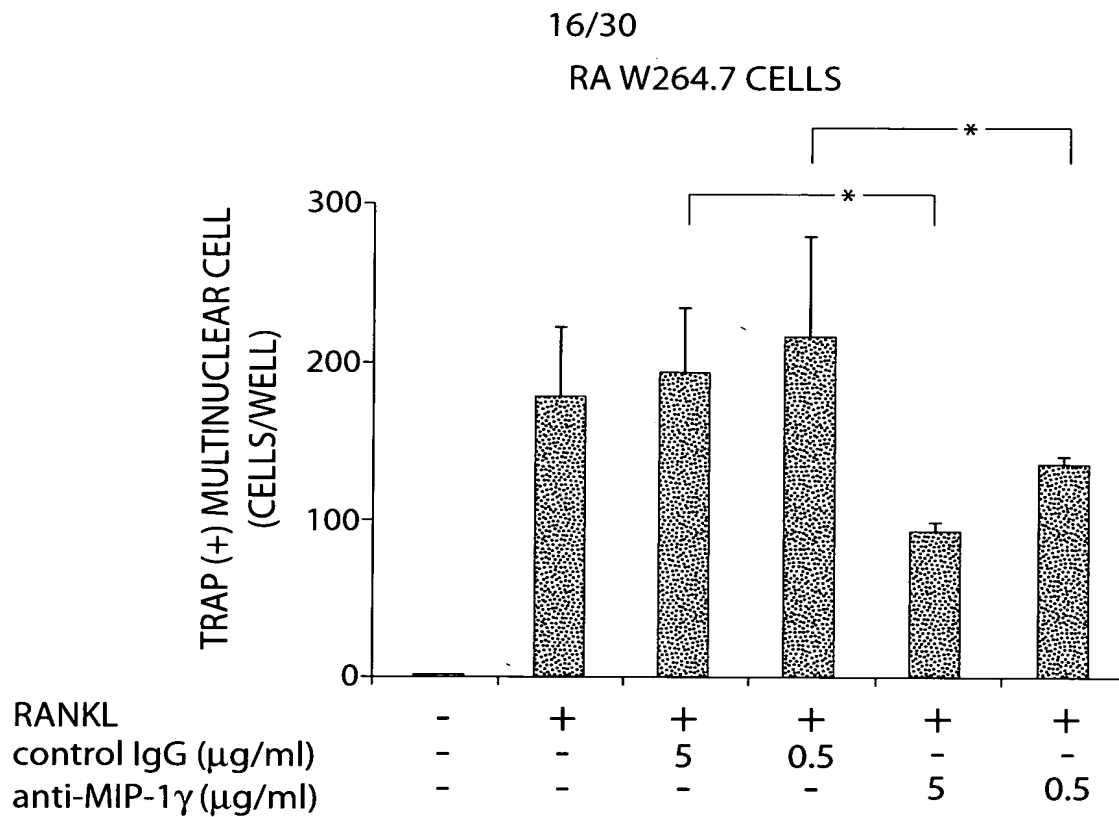


Fig. 4B





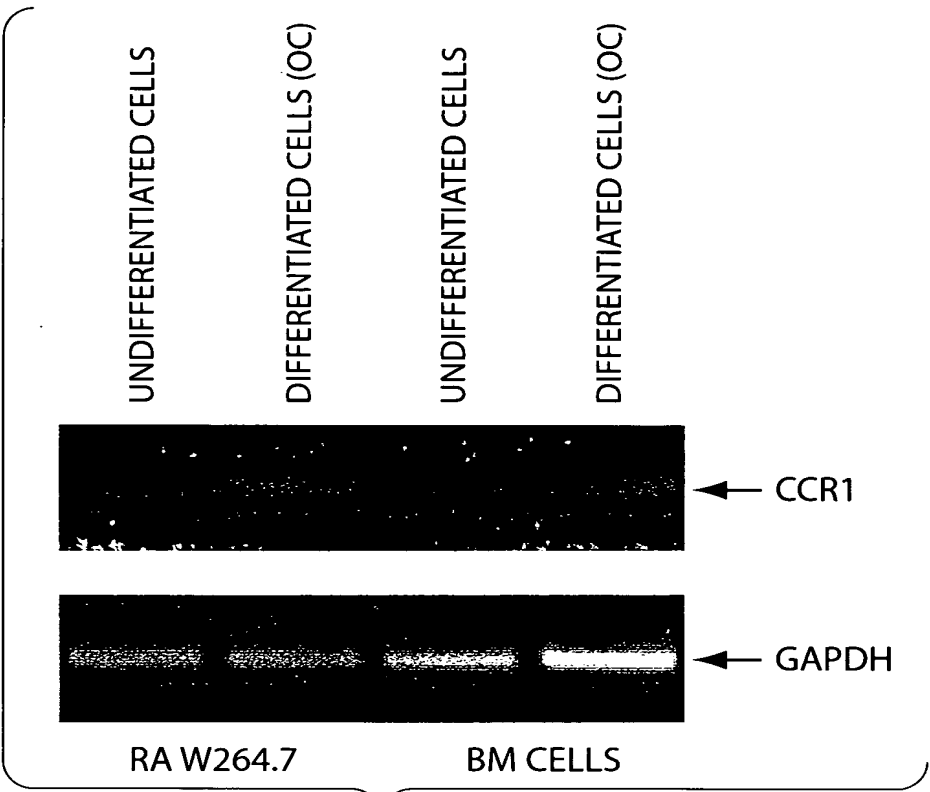


Fig.6

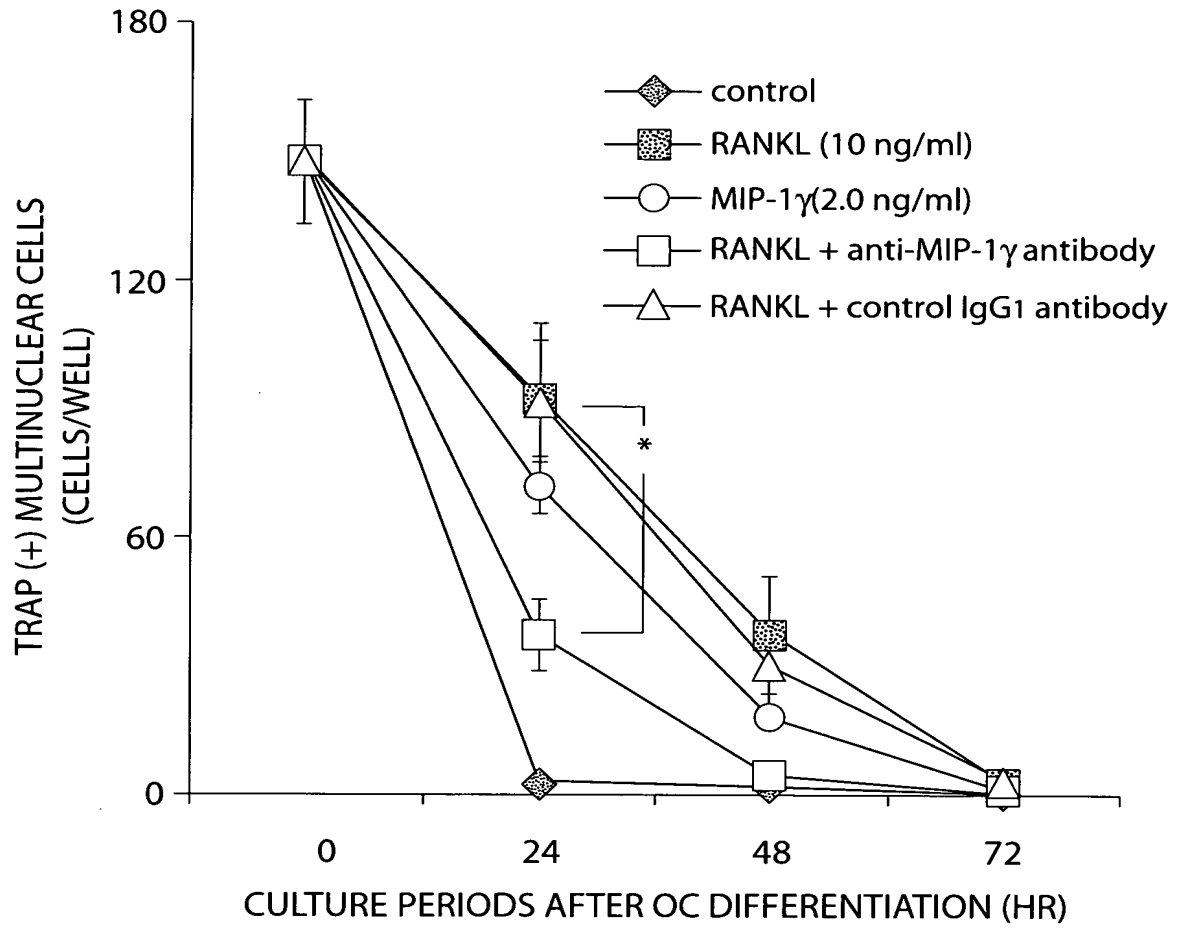


Fig. 7

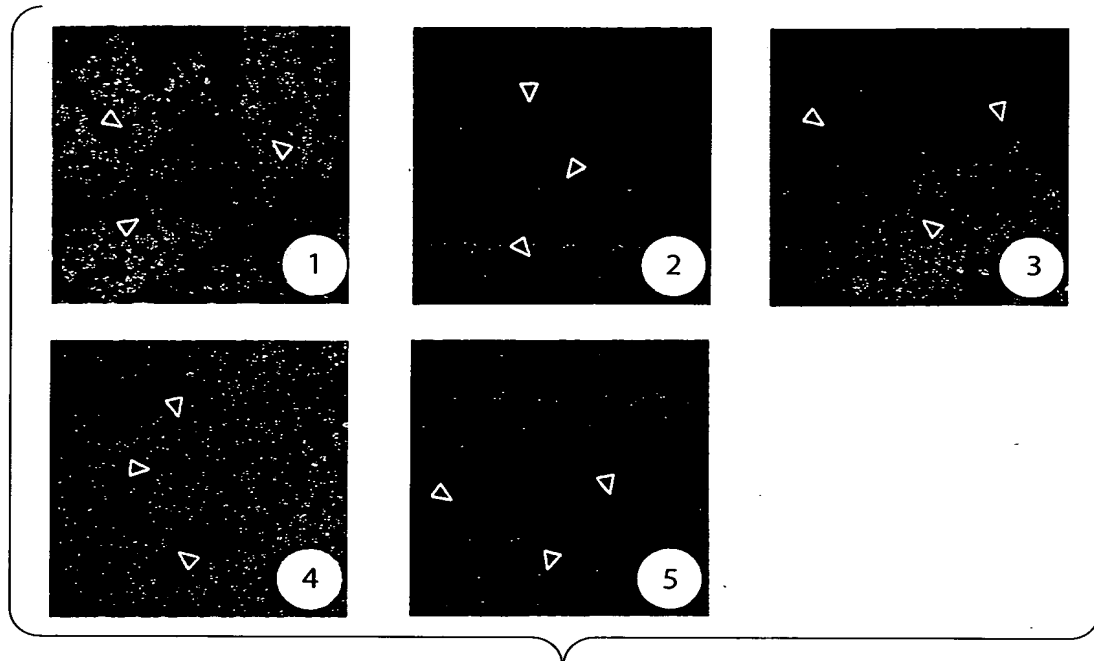


Fig. 8A

1 2 3 4 5

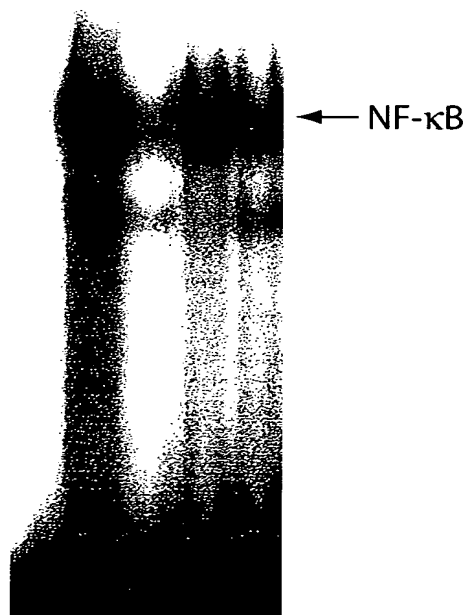


Fig. 8B

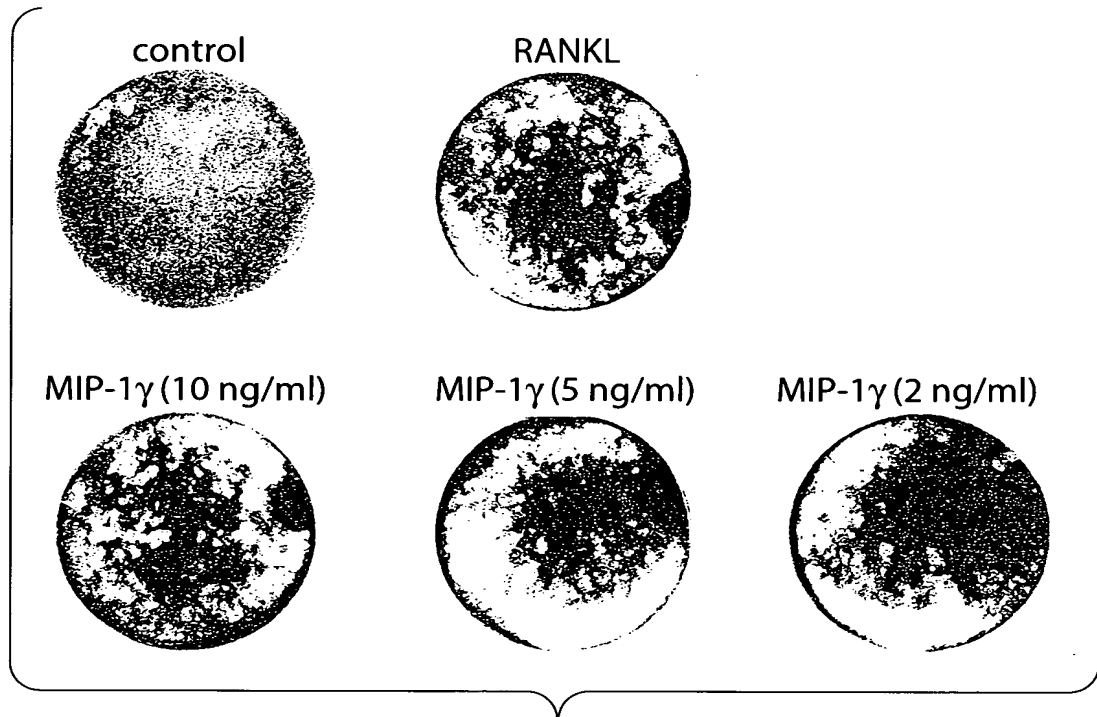


Fig. 9A

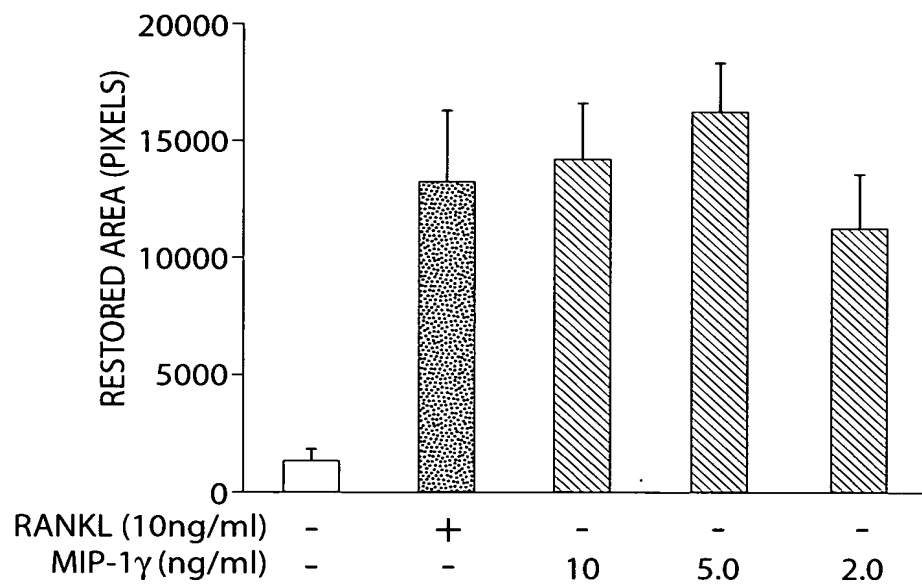


Fig. 9B

21/30

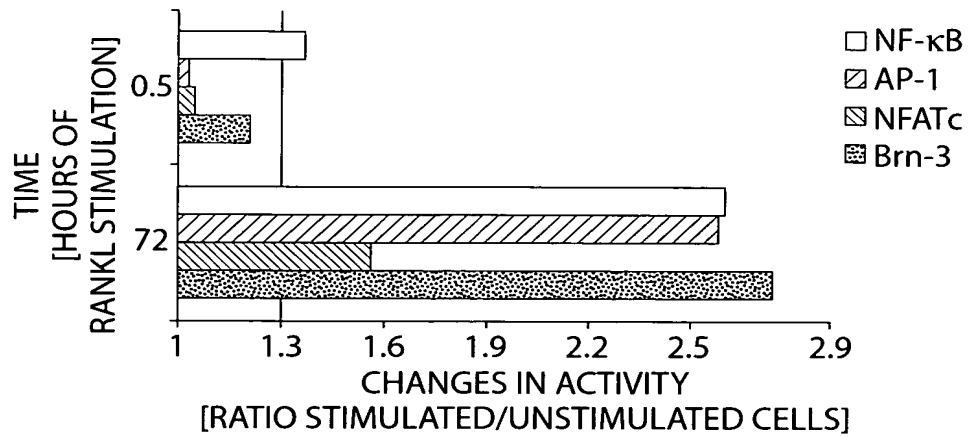


Fig. 10A

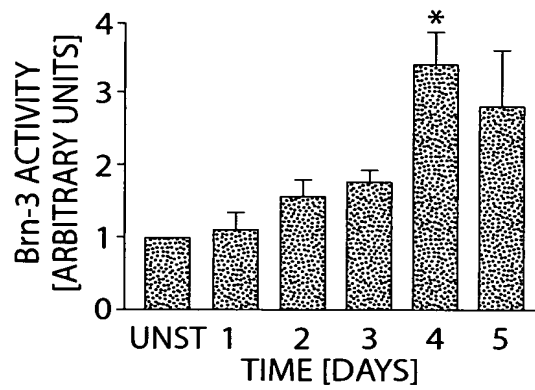


Fig. 10B

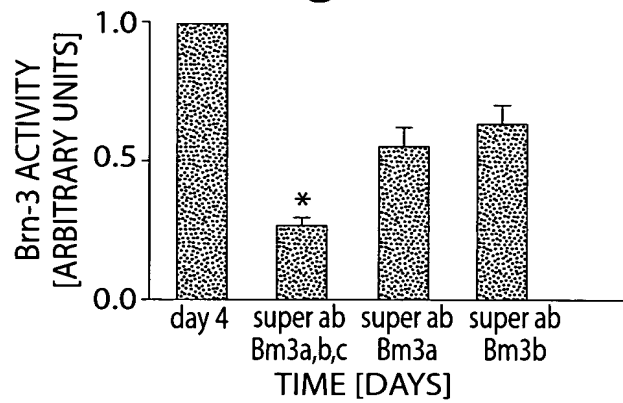


Fig. 10C

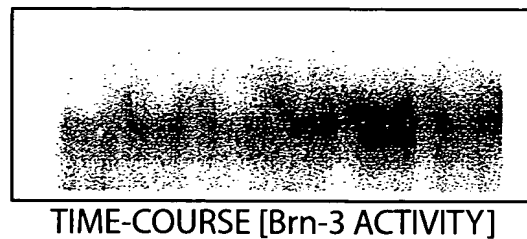


Fig. 10D

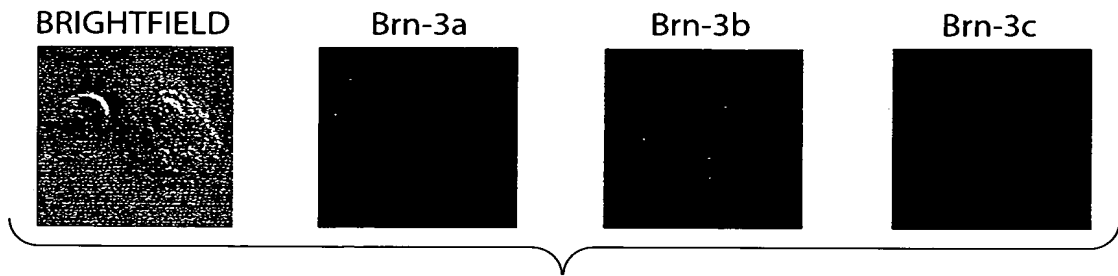


Fig. 11A

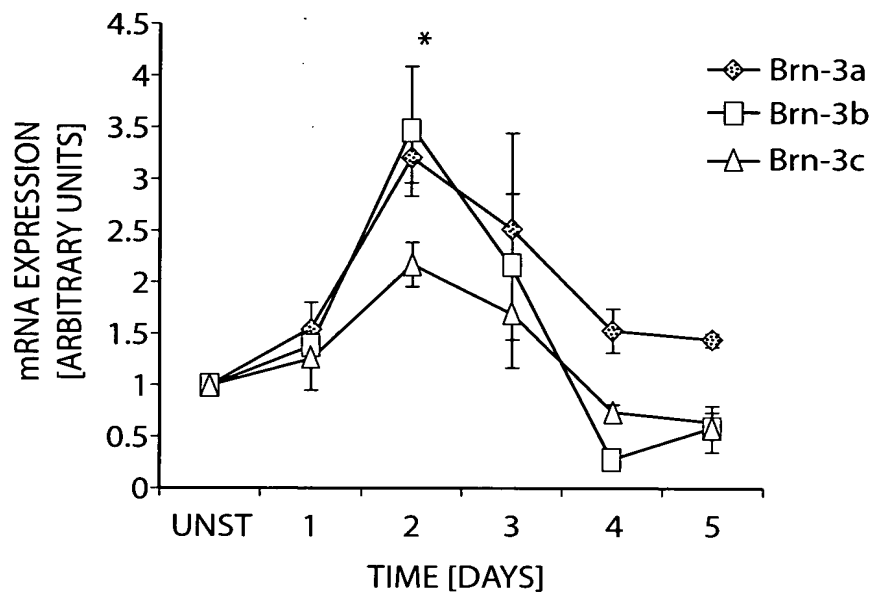


Fig. 11B

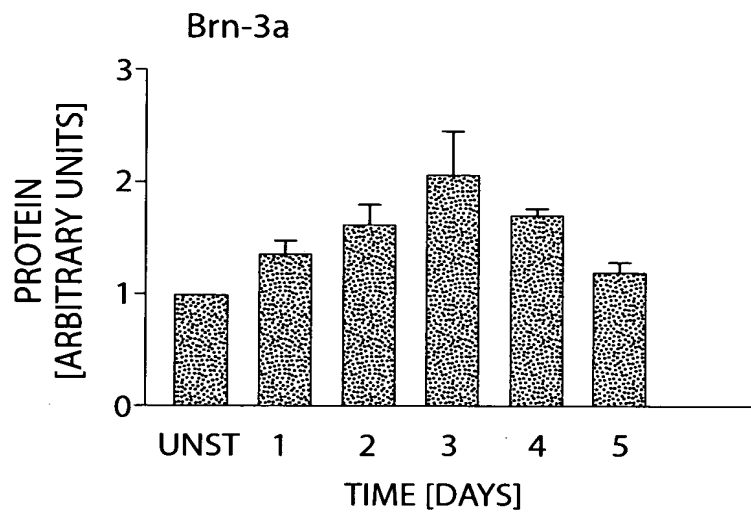


Fig. 11C

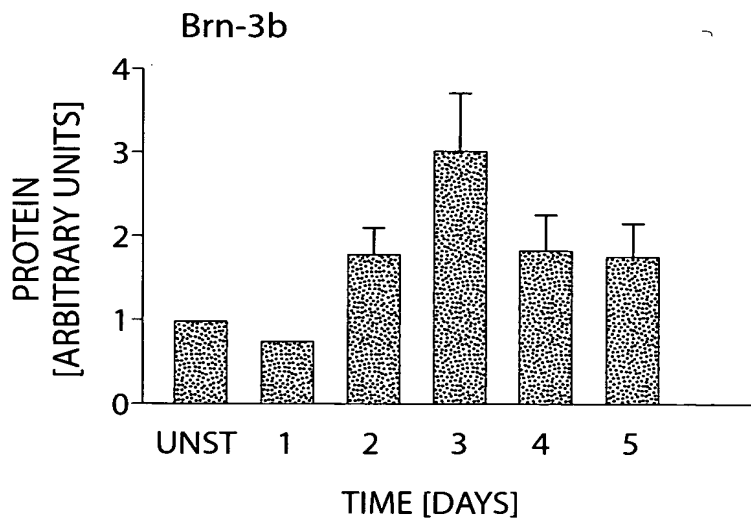


Fig. 11D

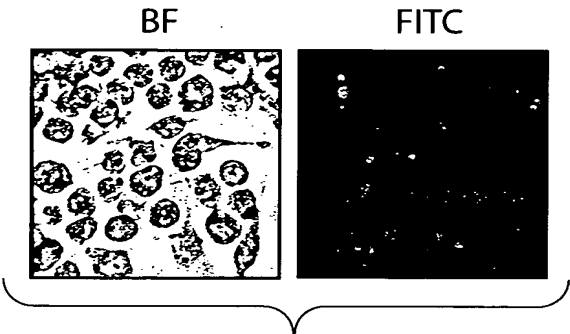


Fig. 12A

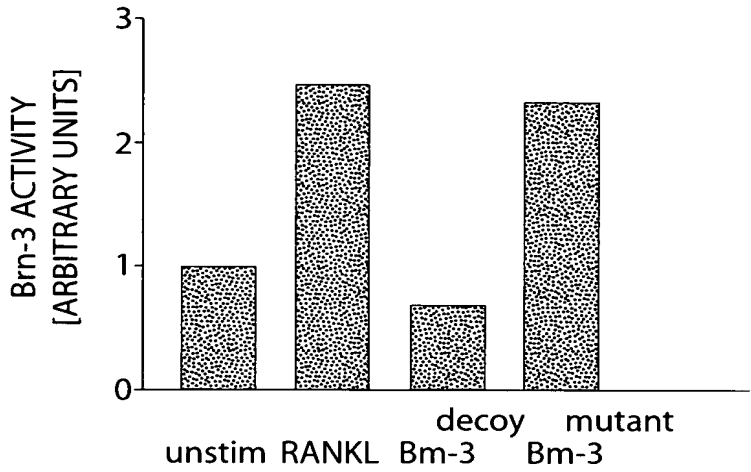
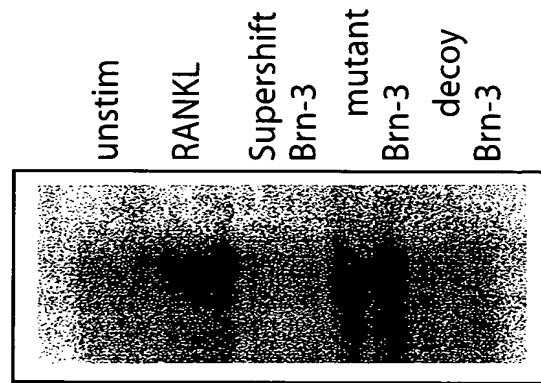


Fig. 12B





EMSA (Brn-3 ACTIVITY)

Fig. 12C

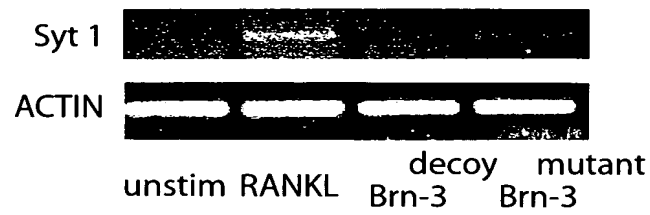


Fig. 12D

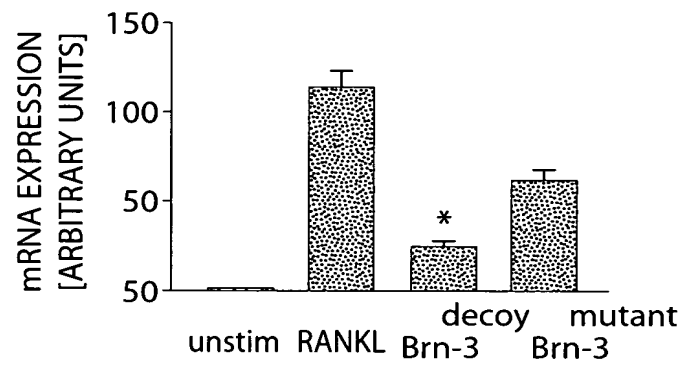


Fig. 12E

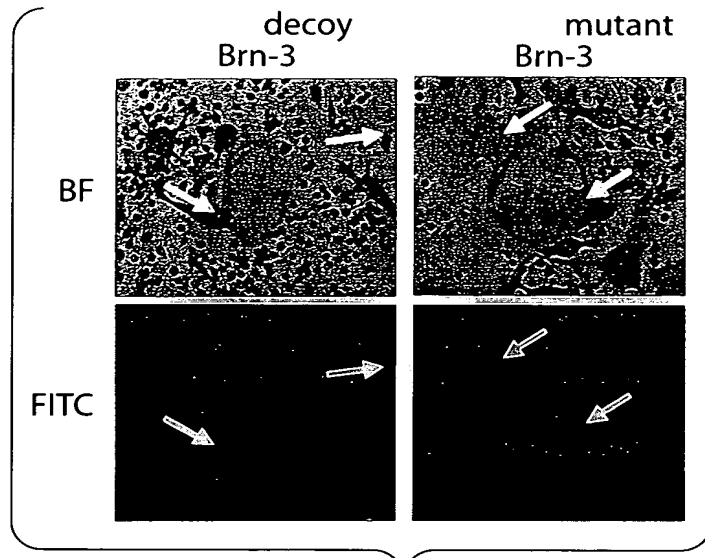


Fig. 13A

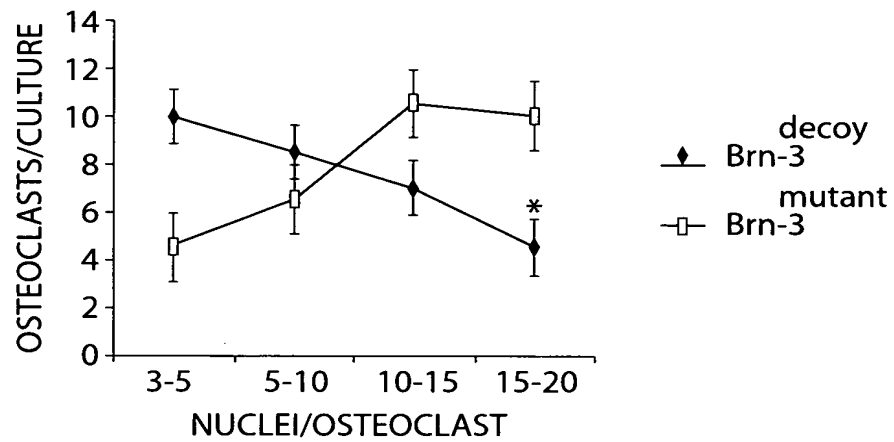


Fig. 13B

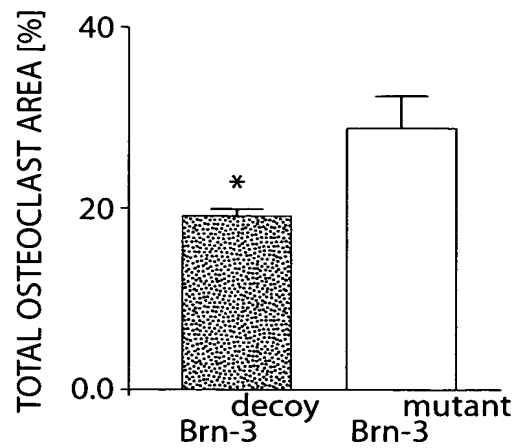
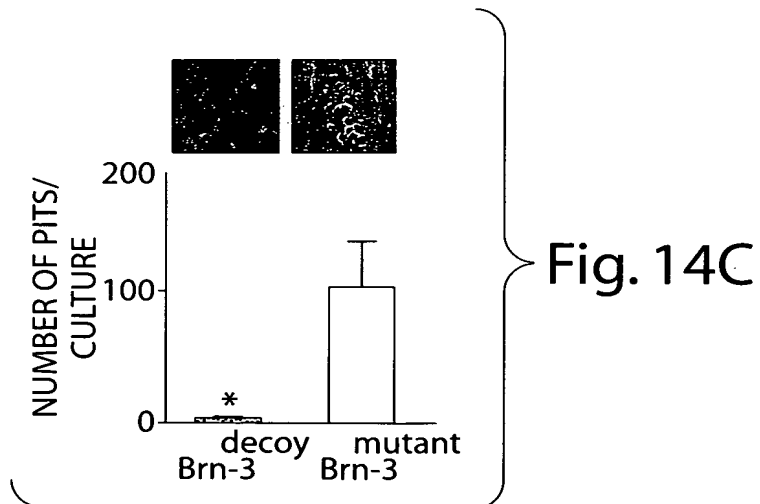
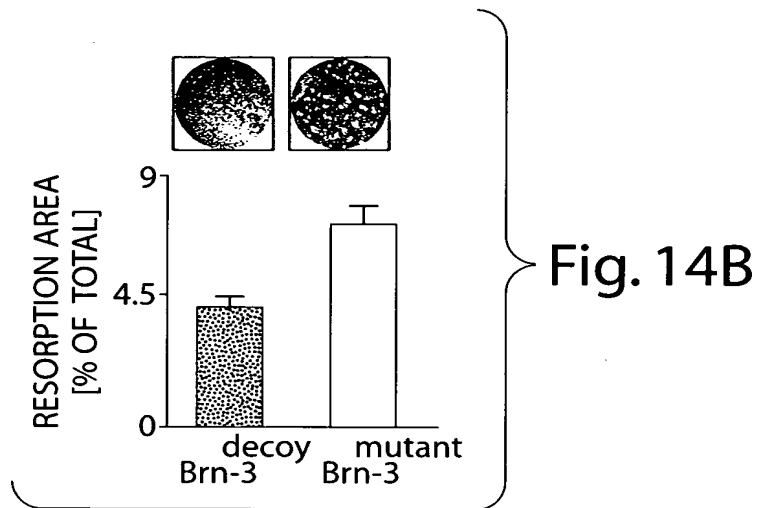
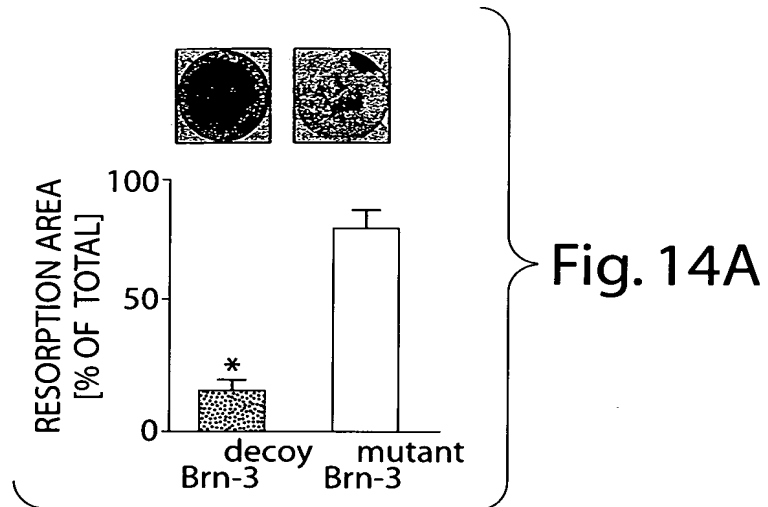


Fig. 13C



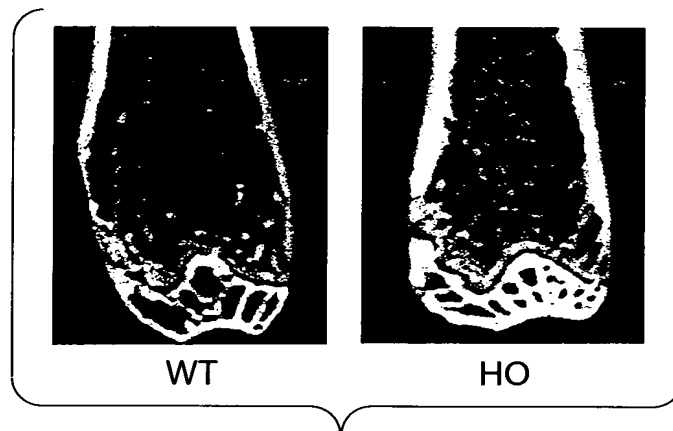


Fig.15A

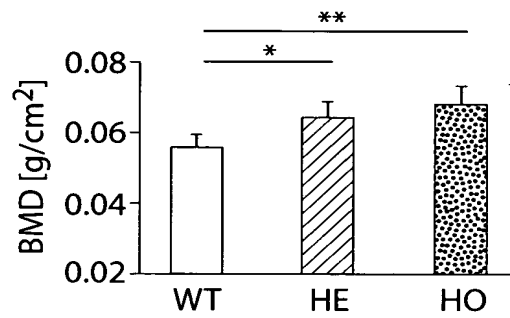


Fig.15B

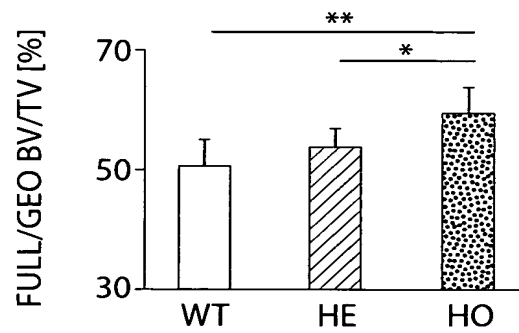


Fig.15C

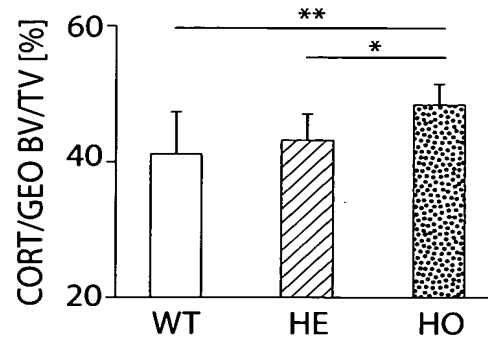


Fig.15D

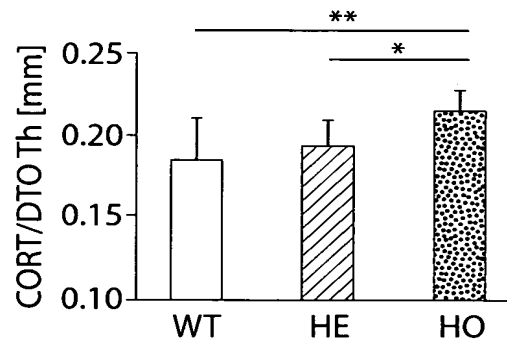


Fig.15E

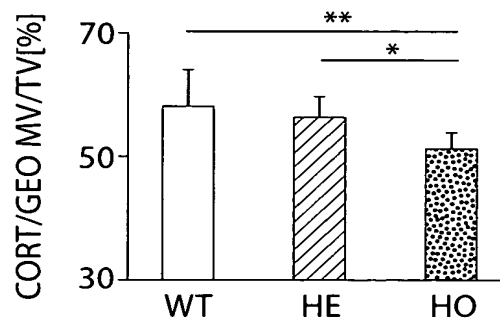


Fig.15F

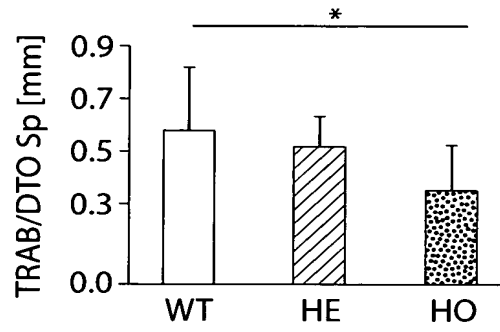


Fig.15G

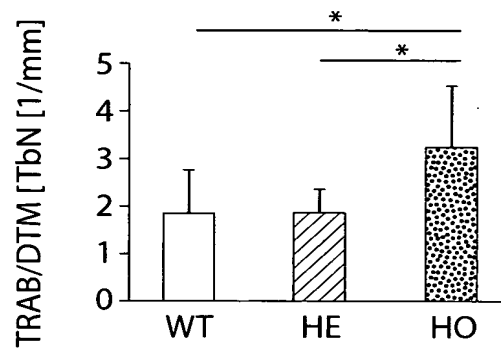


Fig.15H

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